Appl. No. 10/708,047 Amdt. dated April 07, 2006 Reply to Office action of December 07, 2005

AMENDMENTS TO THE CLAIMS

- (Currently Amended) A light-emitting device with compound substrate comprising:
 a compound substrate comprising a high thermal conductive layer and a substrate
 disposed around the high thermal conductive layer;
 [[an]] a transparent adhesive layer formed on the compound substrate; and
- 2. (Cancelled)

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3. (Currently Amended) The light-emitting device of claim [[2]] I wherein the transparent adhesive layer is a conductive transparent adhesive layer.

a light-emitting stack layer formed on the transparent adhesive layer.

- 4. (Currently Amended) The light-emitting device of claim [[2]] 1 wherein the transparent adhesive layer is an insulating transparent adhesive layer.
 - 5-7. (Cancelled)
- 8. (Currently Amended) The light-emitting device of claim 1 further comprising a first reaction layer between the compound substrate and the <u>transparent</u> adhesive layer.
 - 9. (Currently Amended) The light-emitting device of claim 1 further comprising a second reaction layer between the <u>transparent</u> adhesive layer and the light-emitting stack layer.

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10. (Original) The light-emitting device of claim 8 further comprising a metal reflecting layer between the compound substrate and the first reaction layer.

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Appl. No. 10/708,047 Amdt. dated April 07, 2006 Reply to Office action of December 07, 2005

- 11. (Original) The light-emitting device of claim 9 further comprising a metal reflecting layer between the second reaction layer and the light-emitting stack layer.
- 12. (Original) The light-emitting device of claim 11 further comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.
- 13-14. (Cancelled)
- 10 15. (Original) The light-emitting device of claim 1 further comprising a connection layer between the high thermal conductive layer and the substrate.
 - 16. (Currently Amended) The light-emitting device of claim 1 wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals, or other substitute materials.
- 17. (Currently Amended) The light-emitting device of claim 15 wherein the connection layer comprises at least one material selected from a material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO₂, Cu, Ti, and Pd, or other substitute-materials.
 - 18. (Cancelled)
- 25 19. (Currently Amended) The light-emitting device of claim [[2]] 1 wherein the transparent adhesive layer comprises at least one material selected from a material group consisting of polyimide (Pl), benzocyclobutane (BCB), and perfluorocyclobutene (PFCB), or other substitute materials.

10

Appl. No. 10/708,047 Amdt. dated April 07, 2006 Reply to Office action of December 07, 2005

20. (Currently Amended) The light-emitting device of claim 3 wherein the conductive transparent adhesive layer comprises at least one material selected from a material group consisting of intrinsically conducting polymer and polymer doped with a conductive material, or other substitute materials.

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21. (Currently Amended) The light-emitting device of claim 20 wherein the conductive material comprises at least one material selected from a material group consisting of indium tin oxide, cadmium tin oxide, antimony tin oxide, zinc oxide, zinc tin oxide, Au, and Ni/Au, or other substitute materials.

22-24. (Cancelled)

- 25. (Currently Amended) The light-emitting device of claim 8 wherein the first reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr₂ or other-substitute-materials.
- 26. (Currently Amended) The light-emitting device of claim 9 wherein the second reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr, or other substitute materials.
 - 27. (New) A light-emitting device with compound substrate comprising:
 a compound substrate comprising a high thermal conductive layer and a substrate
 disposed around the high thermal conductive layer;
- an opaque adhesive layer formed on the compound substrate; and a light-emitting stack layer formed on the opaque adhesive layer.
 - 28. (New) The light-emitting device of claim 27 wherein the opaque adhesive layer is a

25

Appl. No. 10/708,047 Anidt. dated April 07, 2006 Reply to Office action of December 07, 2005

conductive opaque adhesive layer.

- 29. (New) The light-emitting device of claim 27 wherein the opaque adhesive layer is an insulating opaque adhesive layer.
- 30. (New) The light-emitting device of claim 27 further comprising a first reaction layer between the compound substrate and the opaque adhesive layer.
- 31. (New) The light-emitting device of claim 30 further comprising a second reaction layer between the opaque adhesive layer and the light-emitting stack layer.
 - 32. (New) The light-emitting device of claim 31 further comprising a metal reflecting layer between the second reaction layer and the light-emitting stack layer.
- 15 33. (New) The light-emitting device of claim 32 further comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.
- 34. (New) The light-emitting device of claim 27 further comprising a connection layer between the high thermal conductive layer and the substrate.
 - 35. (New) The light-emitting device of claim 27 wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals.
 - 36. (New) The light-emitting device of claim 34 wherein the connection layer comprises at least one material selected from a material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO₂, Cu, Ti, and Pd.

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Appl. No. 10/708,047 Amdt. dated April 07, 2006 Reply to Office action of December 07, 2005

- 37. (New) The light-emitting device of claim 30 wherein the first reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr.
- 38. (New) The light-emitting device of claim 31 wherein the second reaction layer comprises at least one material selected from a material group consisting of SiNx, Ti, and Cr.
- 10 39. (New) A light-emitting device with compound substrate comprising:

 a compound substrate comprising a high thermal conductive layer and a substrate

 disposed around the high thermal conductive layer;

 a metal adhesive layer formed on the compound substrate; and

 a light-emitting stack layer formed on the metal adhesive layer.
 - 40. (New) The light-emitting device of claim 39 further comprising a metal reflecting layer between the metal adhesive layer and the light-emitting stack layer.
- 41. (New) The light-emitting device of claim 40 further comprising a transparent conductive layer between the metal reflecting layer and the light-emitting stack layer.
 - 42. (New) The light-emitting device of claim 39 further comprising a connection layer between the high thermal conductive layer and the substrate.
 - 43. (New) The light-emitting device of claim 39 wherein the high thermal conductive layer comprises at least one material selected from a material group consisting of Cu, Al, Au, Ag, W, and alloys of these metals.

Appl. No. 10/708,047 Amdt. dated April 07, 2006 Reply to Office action of December 07, 2005

- 44. (New) The light-emitting device of claim 42 wherein the connection layer comprises at least one material selected from a material group consisting of indium tin oxide, GeAu, BeAu, Au, SiNx, SiO₂. Cu, Ti, and Pd.
- 45. (New) The light-emitting device of claim 39 wherein the metal adhesive layer comprises at least one material selected from a material group consisting of In, Sn, Al au, Pt, Zn, Ge, Ag, Ti, Pb, Pd, Cu, and alloys of these metals.
- 10 46. (New) The light-emitting device of claim 39 wherein the metal adhesive layer is a metal reflecting adhesive layer.